

AMENDMENTS TO THE SPECIFICATION

Please amend the paragraph beginning on page 6, line 17 as follows:

SUMMARY OF THE INVENTION

It is an object of the present invention to provide a method and an electrowinning cell for production of aluminium by the electrowinning of aluminous ore, preferably aluminium oxide, in a molten fluoride electrolyte, preferably based on cryolite, at temperatures in the range of 680 - 980°C. The method is designed to operate at equal or lower cost compared to the present production technology for electrowinning of aluminium, and thus provides a commercial and economically viable process for the production. This means the design of an electrolysis cell with the necessary cell components and outline to reduce energy consumption, reduce overall production costs and still maintain high current efficiency. The compact cell design is obtained by the use of dimensionally stable anodes and aluminium wettable or non-wettable cathodes. The internal electrolyte flux is designed to attain a high dissolution rate of alumina, even at low electrolyte temperatures, and a good separation of the two products from the electrolysis process. Problems identified with the mentioned patents (U.S. Pat. Nos. 4,681,671, 5,006,209, 5,725,744 and 5,938,914 and WO 02/31225) are also not encountered in this invention due to the more sophisticated design of the electrolysis cell.